

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

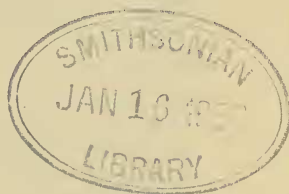
FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission

VOLUME 1. SECTION C. Part C.19. Pp. 287—298

DIRECTION 30

Determination of the gender to be attributed to the names of fifty-seven genera of fishes, cyclostomes, reptiles and amphibia placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936



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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 30

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Zoological Museum, Tring, Herts., England*)

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U.S.A.*) (12th August 1953)

Vice-President : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*) (12th August 1953)

Secretary : Mr. Francis Hemming (*London, England*) (27th July 1948)

B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent
re-election, as prescribed by the International Congress of Zoology)

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(1st January 1947)

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Mr. Francis Hemming (*London, England*) (27th July 1948) (*Secretary*)

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Dr. Henning Lemche (*Universitetets Zoologiske Museum, Copenhagen, Denmark*)
(27th July 1948)

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a.M., Germany*) (5th July 1950)

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(*President*)

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(12th August 1953)

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(12th August 1953)

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(12th August 1953)

Dr. K. H. L. Key (*Commonwealth Scientific and Industrial Research Organisation,
Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. Miller (*Museum of Vertebrate Zoology, University of California, Berkeley,
California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand Prantl (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th
October 1954)

Professor Dr. Wilhelm Kühnelt (*Zoologisches Institut der Universität, Vienna, Austria*)
(6th November 1954)

Professor F. S. Bodenheimer (*The Hebrew University, Jerusalem, Israel*) (11th November
1954)

Professor Ernst Mayr (*Museum of Comparative Zoology at Harvard College, Cambridge,
Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico Tortonese (*Istituto e Museo di Zoologia della Università di Torino,
Torino, Italy*) (16th December 1954)

DIRECTION 30

DETERMINATION OF THE GENDER TO BE ATTRIBUTED TO THE NAMES OF FIFTY-SEVEN GENERA OF FISHES, CYCLOSTOMES, REPTILES AND AMPHIBIA PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOO- LOGY" IN THE PERIOD UP TO THE END OF 1936

RULING :—(1) The gender to be attributed to each of the under-mentioned names of genera in the Classes Pisces and Reptilia, which were placed on the *Official List of Generic Names in Zoology* by the Rulings given in the *Opinions* severally specified below, is hereby determined as being the masculine gender :—

(a) Class Pisces (33 names) :

(i) Names included in *Opinion 75* :

Ammodytes Linnaeus, 1758 ; *Anarhichas* Linnaeus, 1758 ; *Mugil* Linnaeus, 1758 ; *Trachinus* Linnaeus, 1758 ; *Uranoscopus* Linnaeus, 1758 ; *Xiphias* Linnaeus, 1758 ;

(ii) Names included in *Opinion 77* :

Acipenser Linnaeus, 1758 ; *Callionymus* Linnaeus, 1758 ; *Cottus* Linnaeus, 1758 ; *Cyclopterus* Linnaeus, 1758 ; *Cyprinus* Linnaeus, 1758 ; *Diodon* Linnaeus, 1758 ; *Gadus* Linnaeus, 1758 ; *Gasterosteus* Linnaeus, 1758 ; *Gobius* Linnaeus, 1758 ; *Lophius* Linnaeus, 1758 ; *Mormyrus* Linnaeus, 1758 ; *Mullus* Linnaeus, 1758 ; *Mustelus* Linck, 1790 ; *Osmerus* Linnaeus, 1758 ; *Salmo* Linnaeus, 1758 ; *Scomber* Linnaeus, 1758 ; *Silurus* Linnaeus, 1758 ; *Zeus* Linnaeus, 1758 ;

(iii) Names included in *Opinion* 92 :

Blennius Linnaeus, 1758 ; *Esox* Linnaeus, 1758 ;

(iv) Names included in *Opinion* 93 :

Conger Oken, 1817 ; *Coregonus* Linnaeus, 1758 ; *Epinephelus* Bloch, 1793 ; *Gymnothorax* Bloch, 1795 ; *Malapterurus* Lacépède, 1803 ; *Polynemus* Linnaeus, 1758 ; *Serranus* Cuvier, 1817 ;

(b) Class Reptilia (3 names) :

(i) Name included in *Opinion* 75 :

Draco Linnaeus, 1758 ;

(ii) Names included in *Opinion* 92 :

Alligator Cuvier, 1807 ; *Crotalus* Linnaeus, 1758 ;

(2) The gender to be attributed to each of the under-mentioned names of genera in the Classes Pisces, Cyclostomata, Reptilia and Amphibia, which were placed on the *Official List of Generic Names in Zoology* by the Rulings given in the *Opinions* severally specified below, is hereby determined as the feminine gender :—

(a) Class Pisces (12 names) :

(i) Names included in *Opinion* 75 :

Atherina Linnaeus, 1758 ; *Fistularia* Linnaeus, 1758 ;

(ii) Names included in *Opinion* 77 :

Chimaera Linnaeus, 1758 ; *Clupea* Linnaeus, 1758 ; *Coryphaena* Linnaeus, 1758 ; *Muraena* Linnaeus, 1758 ; *Perca* Linnaeus, 1758 ; *Scorpaena* Linnaeus, 1758 ;

(iii) Name included in *Opinion* 92 :

Echeneis Linnaeus, 1758 ;

(iv) Names included in *Opinion 93* :

Eleotris Schneider, 1801 ; *Sciaena* Linnaeus, 1758 ; *Teuthis* Linnaeus, 1758 ;

(b) Class Cyclostomata (one name) :

Myxine Linnaeus, 1758 (*Opinion 75*) ;

(c) Class Reptilia (5 names, all dealt with in *Opinion 92*):

Calamaria Boie, 1826 ; *Chelydra* Schweigger, 1812 ; *Dermochelys* Blainville, 1816 ; *Lacerta* Linnaeus, 1758 ; *Mabuya* Fitzinger, 1826 ;

(d) Class Amphibia (one name) :

Siren Linnaeus, 1766 ;

(3) The gender to be attributed to each of the under-mentioned names of genera in the Classes Pisces and Reptilia, which were placed on the *Official List of Generic Names in Zoology* by the Rulings given in the *Opinions* severally specified below, is hereby determined as the neuter gender :—

(a) Class Pisces (one name) :

Ophidion Linnaeus, 1758 (*Opinion 92*) :

(b) Class Reptilia (one name) :

Phrynosoma Wiegmann, 1828 (*Opinion 92*).

I. THE SUBJECT MATTER OF THE PRESENT “ DIRECTION ”

The present *Direction* contains the fourth instalment of determinations of the gender attributable to the names of genera placed on the *Official List of Generic Names in Zoology* in the period up to the end of 1936. The following is the paper which formed the basis of the decisions taken by the Commission in

the present case, which was submitted to the Commission by the Secretary on 6th April 1955 :—

Determination of the gender of names placed on the “Official List of Generic Names in Zoology” in the period up to the end of 1936 :

Fourth Instalment (names of genera of fishes, cyclostomes, reptiles and amphibia)

By FRANCIS HEMMING, C.M.G., C.B.E.,

Secretary to the International Commission on Zoological Nomenclature

The present paper contains the fourth instalment of proposals for the determination of the gender to be attributed to generic names placed on the *Official List of Generic Names in Zoology* during the period up to the end of 1936 and is concerned with the gender to be attributed to the names of genera of fishes, cyclostomes, reptiles and amphibia.

2. During the pre-Lisbon (1935) period the number of names of genera belonging to the Classes here under consideration was as follows :—Pisces (*sens. lat.*), 48 names ; Cyclostomata, one name ; Reptilia, 10 names ; Amphibia, 3 names. The names concerned were placed on the *Official List* in the *Opinions* shown below :—

| <i>Opinion</i> | Fishes | Cyclo- stomata | Reptilia | Amphibia | Total |
|----------------|--------|-------------------|----------|----------|-------|
| 75 | 8 | 1 | 1 | — | 10 |
| 77 | 25 | — | — | — | 25 |
| 92 | 4 | — | 9 | 3 | 16 |
| 93 | 11 | — | — | — | 11 |
| Totals | 48 | 1 | 10 | 3 | 62 |

3. The first point to which it is necessary to draw attention is the position of two names, each having the termination “-gnathus”. The names concerned are : the fish *Syngnathus* ; the amphibian *Desmognathus*. Under one of the decisions taken by the Copenhagen Congress a generic name having the above termination is to be treated as being of the feminine gender (1953, *Copenhagen Decisions zool. Nomencl.* : 51, Decision 84(7)(b)(i)). These names have, however, been universally treated by specialists in the group concerned as being masculine in gender. The position as regards these names is therefore essentially similar, so far as gender is concerned, to the names in the Class Aves having the termination “-rhynchus” to which reference was made in paragraph 5 of the paper numbered Z.N.(S.) 925 regarding the gender to be attributed to the names of birds placed on the *Official List* up to the end of 1936, which was submitted to the Commission in connection

with Voting Paper V.P.(O.M.)(55)16¹. For reasons similar to those explained in that paper it is proposed to defer asking the Commission to take a decision on the gender to be attributed to the two names specified above until it has taken a decision on the underlying question of principle involved.

4. Class Pisces (sens. lat.) : In addition to the name *Syngnathus* referred to in paragraph 3 above, attention must be drawn to the name *Stolephorus*, on which also no recommendation is now submitted. This is because there are other matters connected with the entry of this name of the *Official List* which require consideration by the Commission and on which recommendations have been submitted in a paper numbered Z.N.(S.) 569 circulated with Voting Paper V.P.(O.M.)(55)12². A proposal relating to the gender to be attributed to this name was included in the recommendations referred to above. Proposals regarding the gender to be attributed to the remaining forty-six names of genera of fishes are submitted in Part 1 of the Annexe to the present paper.

5. Class Cyclostomata : A proposal in regard to the single name (*Myxine*) here concerned is submitted in Part 2 of the Annexe to the present paper.

6. Class Reptilia : In the case of one name (*Eremias*), the gender which is believed to be the correct gender differs from that currently in use. This matter is being further investigated, and in the meanwhile no recommendation is submitted to the Commission. As regards the gender to be assigned to the remaining nine names, recommendations are submitted in Part 3 of the Annexe to the present paper.

7. Class Amphibia : In addition to the name *Desmognathus* to which reference has already been made, attention must be drawn to the case of the name *Cryptobranchus*, the correct gender for which has not been finally determined. No recommendation is therefore submitted in regard to this name. Accordingly, the only recommendation submitted in Part 4 of the Annexe to the present paper is in respect of the gender to be attributed to the name *Siren* Linnaeus.

8. As in the case of the previous instalments in the present series, the recommendations now submitted are based upon the Report on the gender to be assigned to generic names placed on the *Official List* before the Paris (1948) Congress, furnished, on the invitation of the International Trust for Zoological Nomenclature, by Mr. F. J. Lelievre

¹ See pp. 264—265 of the present volume (*Direction* 26).

² A last minute complication has arisen in regard to this case which renders necessary its re-submission to the Commission for further consideration.

(*Bedford College, London University*). In every case also current standard catalogues, checklists and monographs have been consulted by this Office for the purpose of ascertaining whether the gender now proposed to be assigned to the names in question is also the gender currently used for those names by specialists in the groups concerned. In addition, copies of the list prepared by Mr. Lelievre were communicated to the under-mentioned specialists both for the purpose of obtaining confirmation on the question of the gender attributable to each of the names concerned and for the purpose also of verifying that the gender in question is that currently used for the generic names in question :—(1) Dr. W. I. Follett (*California Academy of Sciences, San Francisco, California, U.S.A.*) ; (2) Dr. Karl P. Schmidt (*Chicago Natural History Museum, Chicago, Illinois, U.S.A.*) ; (3) Dr. Ethelwynn Trewavas (*British Museum (Natural History), London*). It is believed therefore that the gender which it is now recommended should be attributed to each of the names concerned is both the correct gender and also the gender currently used by specialists.

ANNEXE

Gender proposed to be inscribed in the " Official List of Generic Names in Zoology " in respect of the names of genera of Vertebrates (excluding Mammals & Birds) placed on that " List " in the Period up to the end of 1936

| Generic Name | Gender proposed to be assigned to name speci- fied in Col. 1 | "Opinion" in which name specified in Col. 1 was placed on "Official List" |
|-----------------------------------|--|---|
| (1) | (2) | (3) |
| <i>Part 1. Class Pisces</i> | | |
| <i>Ammodytes</i> Linnaeus, 1758 | Masculine | 75 |
| <i>Anarhichas</i> Linnaeus, 1758 | Masculine | " |
| <i>Atherina</i> Linnaeus, 1758 | Feminine | " |
| <i>Fistularia</i> Linnaeus, 1758 | Feminine | " |
| <i>Mugil</i> Linnaeus, 1758 | Masculine | " |
| <i>Trachinus</i> Linnaeus, 1758 | Masculine | " |
| <i>Uranoscopus</i> Linnaeus, 1758 | Masculine | " |
| <i>Xiphias</i> Linnaeus, 1758 | Masculine | " |
| <i>Acipenser</i> Linnaeus, 1758 | Masculine | 77 |
| <i>Callionymus</i> Linnaeus, 1758 | Masculine | " |
| <i>Chimaera</i> Linnaeus, 1758 | Feminine | " |
| <i>Clupea</i> Linnaeus, 1758 | Feminine | " |
| <i>Coryphaena</i> Linnaeus, 1758 | Feminine | " |

| Generic Name | Gender proposed to be assigned to name speci- fied in Col. 1 | “Opinion” in which name specified in Col. 1 was placed on “Official List” |
|------------------------------------|--|---|
| (1) | (2) | (3) |
| <i>Part 1. Class Pisces—cont.</i> | | |
| <i>Cottus</i> Linnaeus, 1758 | Masculine | 77 |
| <i>Cyclopterus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Cyprinus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Diodon</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Gadus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Gasterosteus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Gobius</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Lophius</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Mormyrus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Mullus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Muraena</i> Linnaeus, 1758 | Feminine | ,, |
| <i>Mustelus</i> Linck, 1790 | Masculine | ,, |
| <i>Osmerus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Perca</i> Linnaeus, 1758 | Feminine | ,, |
| <i>Salmo</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Scomber</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Scorpaena</i> Linnaeus, 1758 | Feminine | ,, |
| <i>Silurus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Zeus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Blennius</i> Linnaeus, 1758 | Masculine | 92 |
| <i>Echeneis</i> Linnaeus, 1758 | Feminine | ,, |
| <i>Esox</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Ophidion</i> Linnaeus, 1758 | Neuter | ,, |
| <i>Conger</i> Oken, 1817 | Masculine | 93 |
| <i>Coregonus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Eleotris</i> Schneider, 1801 | Feminine | ,, |
| <i>Epinephelus</i> Bloch, 1793 | Masculine | ,, |
| <i>Gymnothorax</i> Bloch, 1795 | Masculine | ,, |
| <i>Malapterurus</i> Lacépède, 1803 | Masculine | ,, |
| <i>Polynemus</i> Linnaeus, 1758 | Masculine | ,, |
| <i>Sciaena</i> Linnaeus, 1758 | Feminine | ,, |
| <i>Serranus</i> Cuvier, 1817 | Masculine | ,, |
| <i>Teuthis</i> Linnaeus, 1758 | Feminine | ,, |

Part 2. Class Cyclostomata

| | | |
|------------------------------|----------|----|
| <i>Myxine</i> Linnaeus, 1758 | Feminine | 75 |
|------------------------------|----------|----|

| Generic Name | Gender proposed to be assigned to name speci- fied in Col. 1 | "Opinion" in which name specified in Col. 1 was placed on "Official List" |
|-------------------------------------|--|---|
| (1) | (2) | (3) |
| <i>Part 3. Class Reptilia</i> | | |
| <i>Draco</i> Linnaeus, 1758 | Masculine | 75 |
| <i>Alligator</i> Cuvier, 1807 | Masculine | 92 |
| <i>Calamaria</i> Boie, 1826 | Feminine | " |
| <i>Chelydra</i> Schweigger, 1812 | Feminine | " |
| <i>Crotalus</i> Linnaeus, 1758 | Masculine | " |
| <i>Dermochelys</i> Blainville, 1816 | Feminine | " |
| <i>Lacerta</i> Linnaeus, 1758 | Feminine | " |
| <i>Mabuya</i> Fitzinger, 1826 | Feminine | " |
| <i>Phrynosoma</i> Wiegmann, 1828 | Neuter | " |
| <i>Part 4. Class Amphibia</i> | | |
| <i>Siren</i> Linnaeus, 1766 | Feminine | " |

2. Registration of the present application : Upon the receipt of Mr. Hemming's paper, the question of the gender to be assigned to the names of genera of fishes, cyclostomes, reptiles and amphibia previously placed on the *Official List of Generic Names in Zoology* was allotted the Registered Number Z.N.(S.) 939.

II. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

3. Issue of Voting Paper V.P.(O.M.)(55)19 : On 4th May 1955 a Voting Paper (V.P.(O.M.)(55)19) was issued in which each Member of the Commission was asked (1) to state whether he agreed that "in conformity with General Directive relating to the recording in the *Official List of Generic Names in Zoology* of the gender of each name placed thereon prior to 1948, issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, the gender of the generic names of fishes, cyclostomes, reptiles and amphibians specified in Column (2) in the Annexe to the Paper bearing the number

Z.N.(S.) 939 by the Secretary, submitted simultaneously with the present Voting Paper [i.e. in the Annexe to the paper reproduced in the first paragraph of the present *Direction*], should be entered in the foregoing *Official List* in respect of the names enumerated in the first column of that Annexe ” and (2), if he did not so agree as regards any given item, to indicate that item.

4. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 4th June 1955.

5. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)19 : At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)19 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Vokes ; Boschma ; Mertens ; Bonnet ; Tortonese ;
Hering ; Holthuis ; Esaki ; Kühnelt ; Mayr ; Miller ;
Hankó ; Prantl ; Riley ; Bradley (J. C.) ; Hemming ;
Sylvester-Bradley ; Jaczewski ; Key ; Bodenheimer ;
Dymond ; Stoll ; Cabrera ; do Amaral ; Lemche ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

6. Declaration of Result of Vote : On 4th June 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(O.M.)(55)19, signed a Certificate that the Votes cast were as set out in paragraph 5 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

7. Preparation of the Ruling given in the present "Direction": On 6th July 1955, Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)19.

8. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

9. The present *Direction* shall be known as *Direction Thirty (30)* of the International Commission on Zoological Nomenclature.

DONE in London, this Sixth day of July, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING